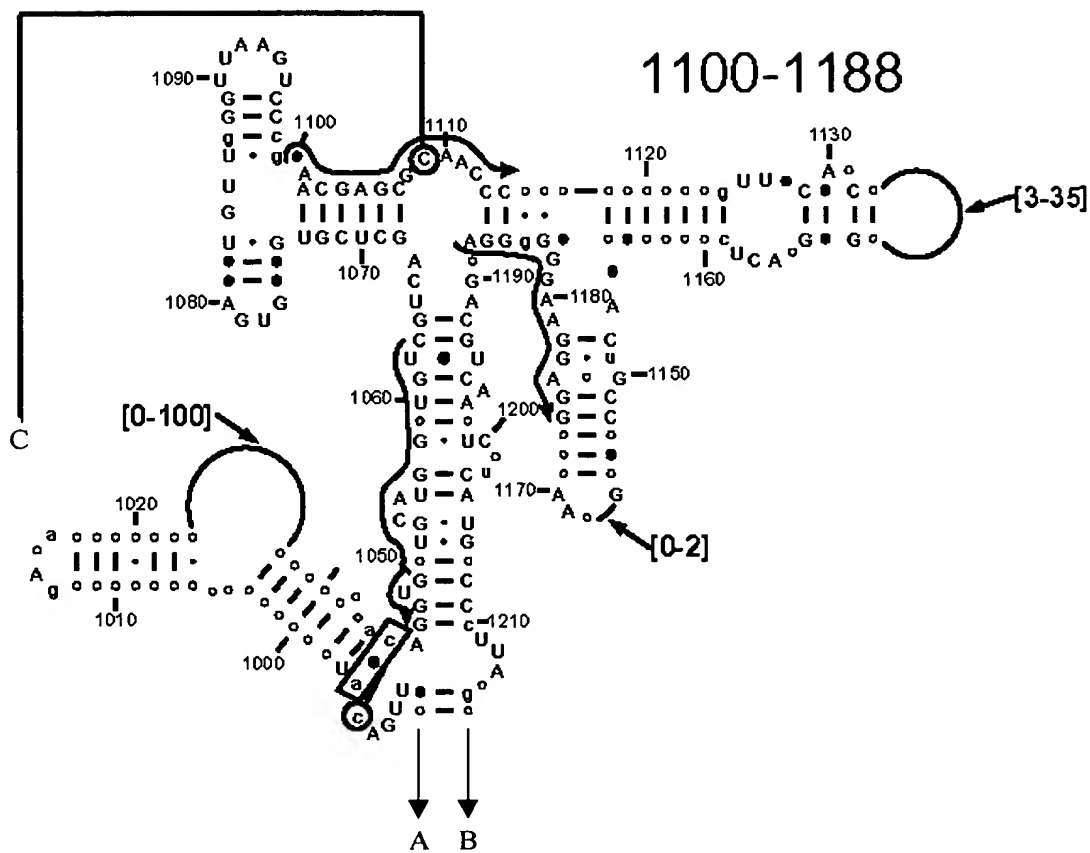
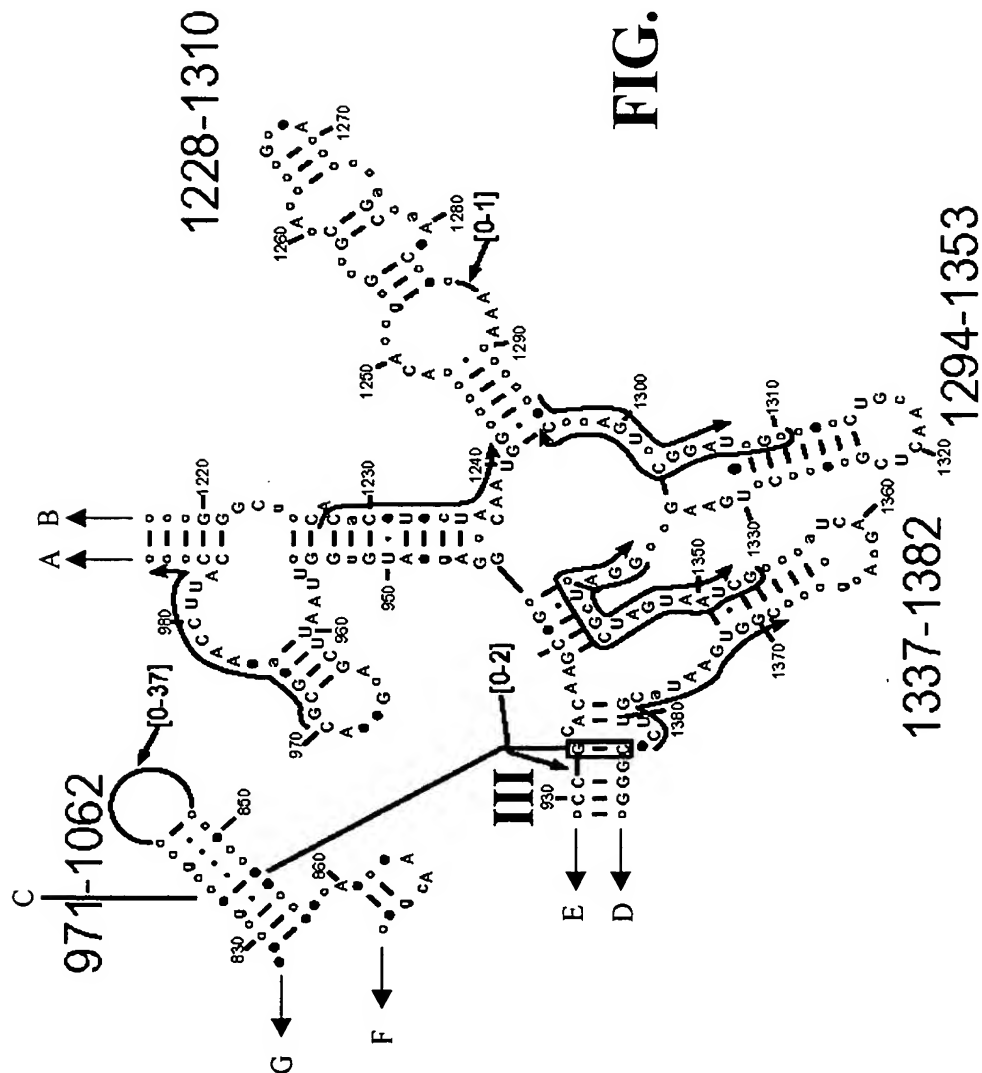


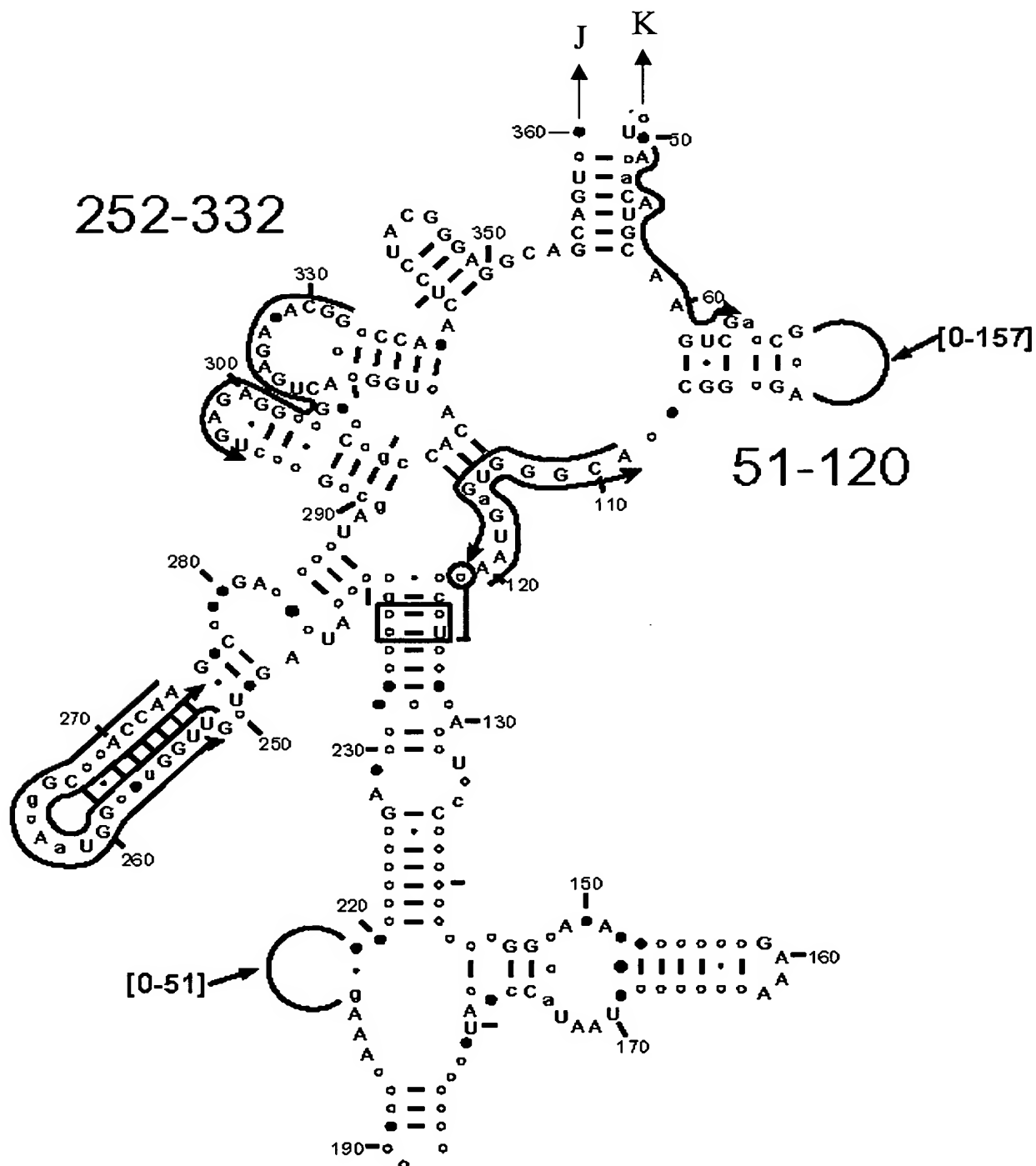
**FIG. 1A-1**

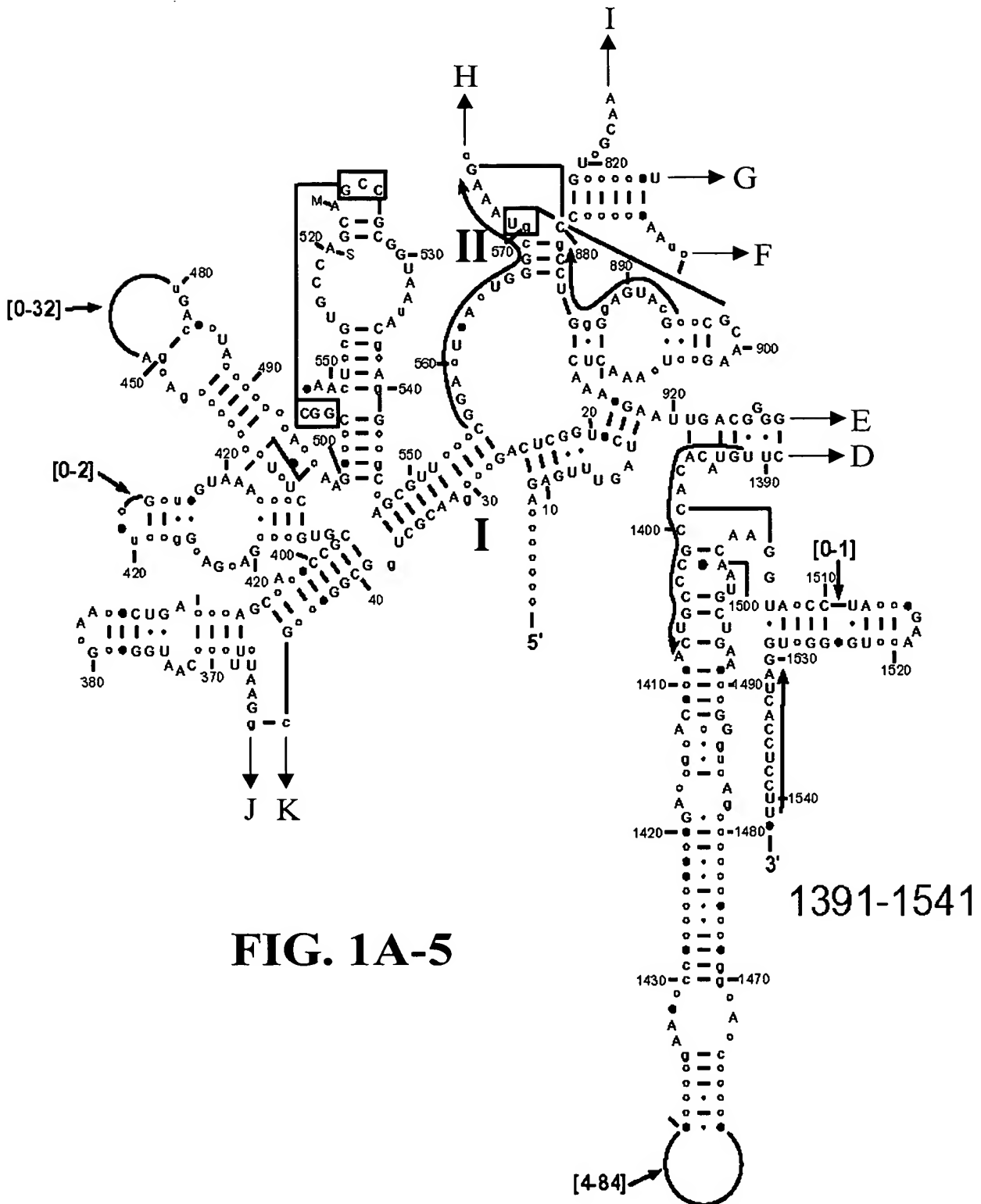




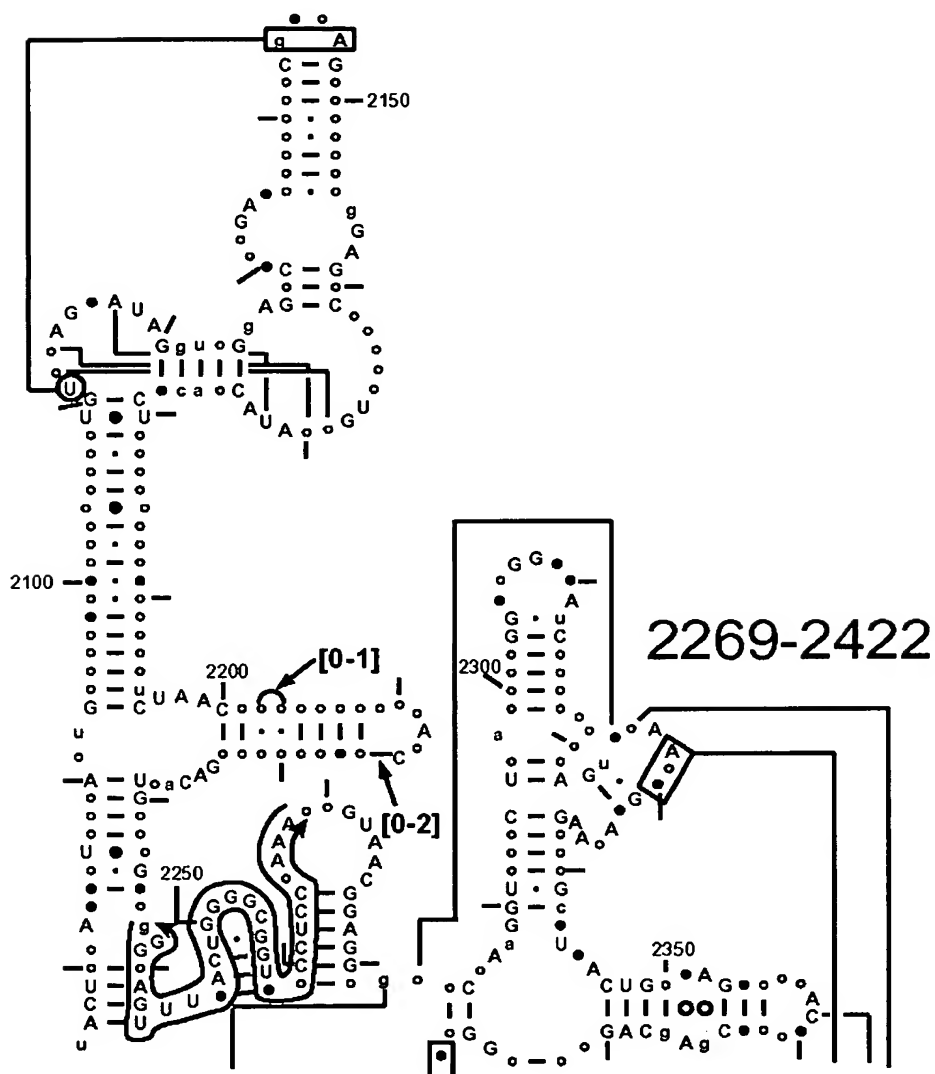


**FIG. 1A-4**





**FIG. 1B**



**FIG. 1C**

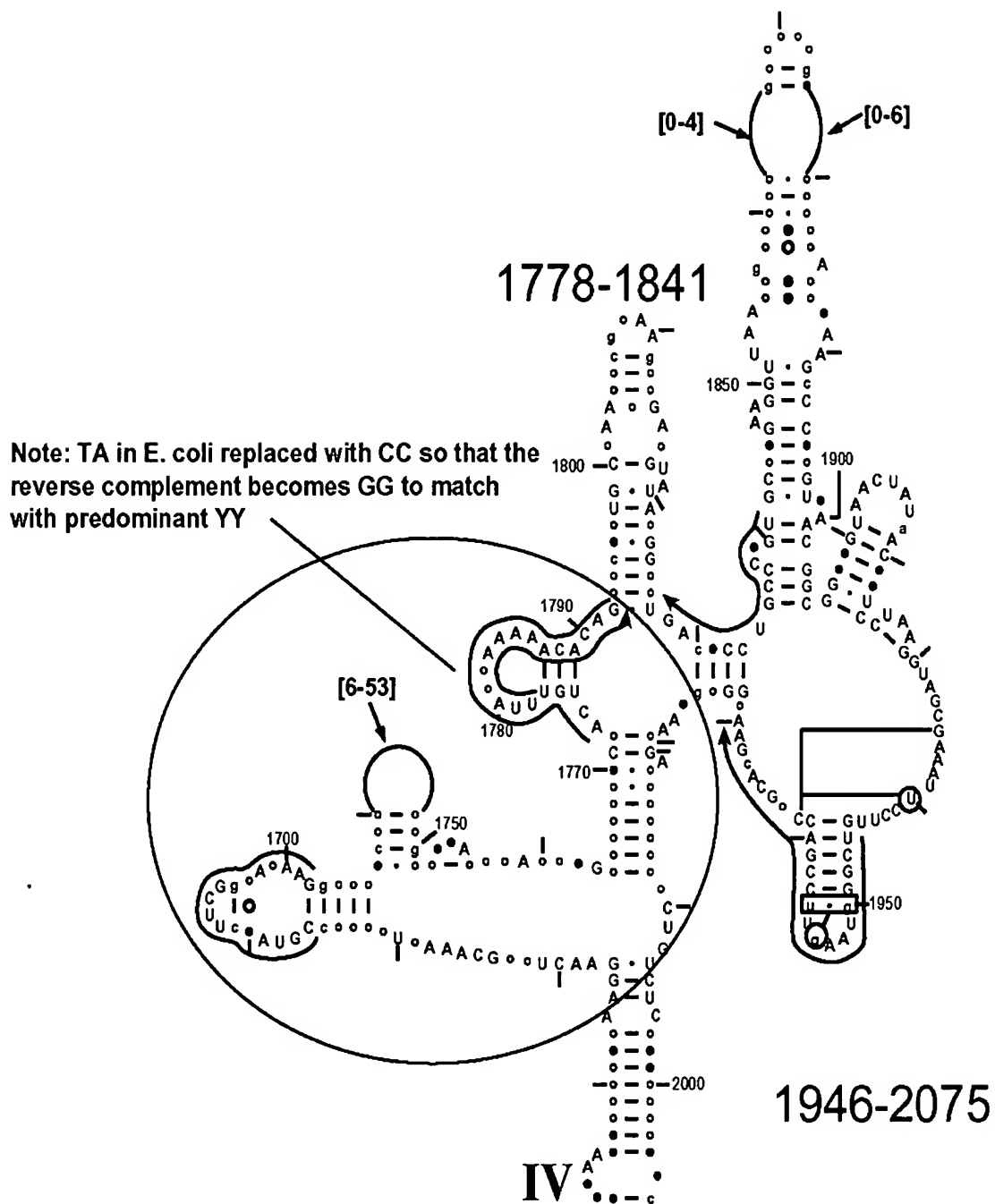
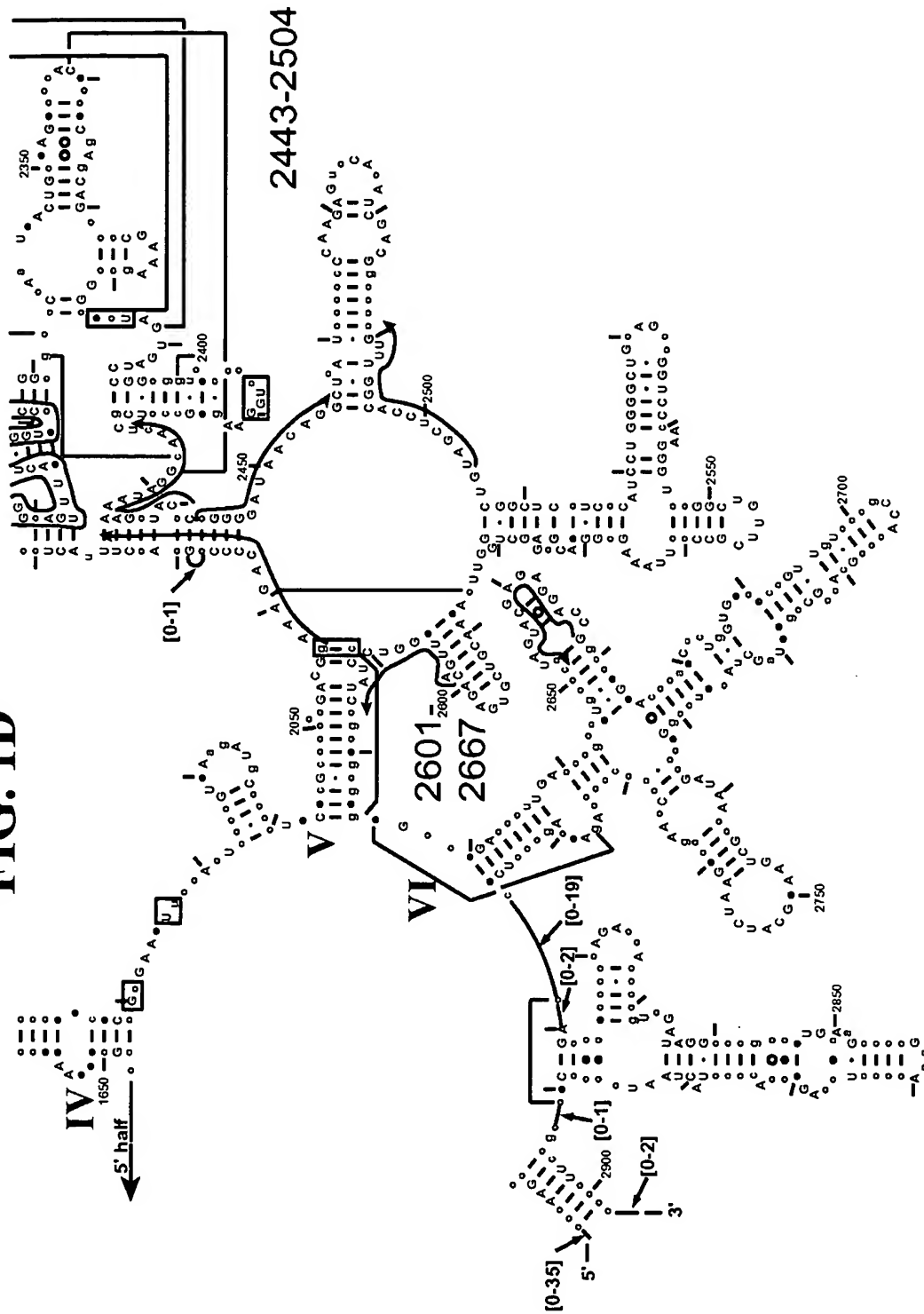


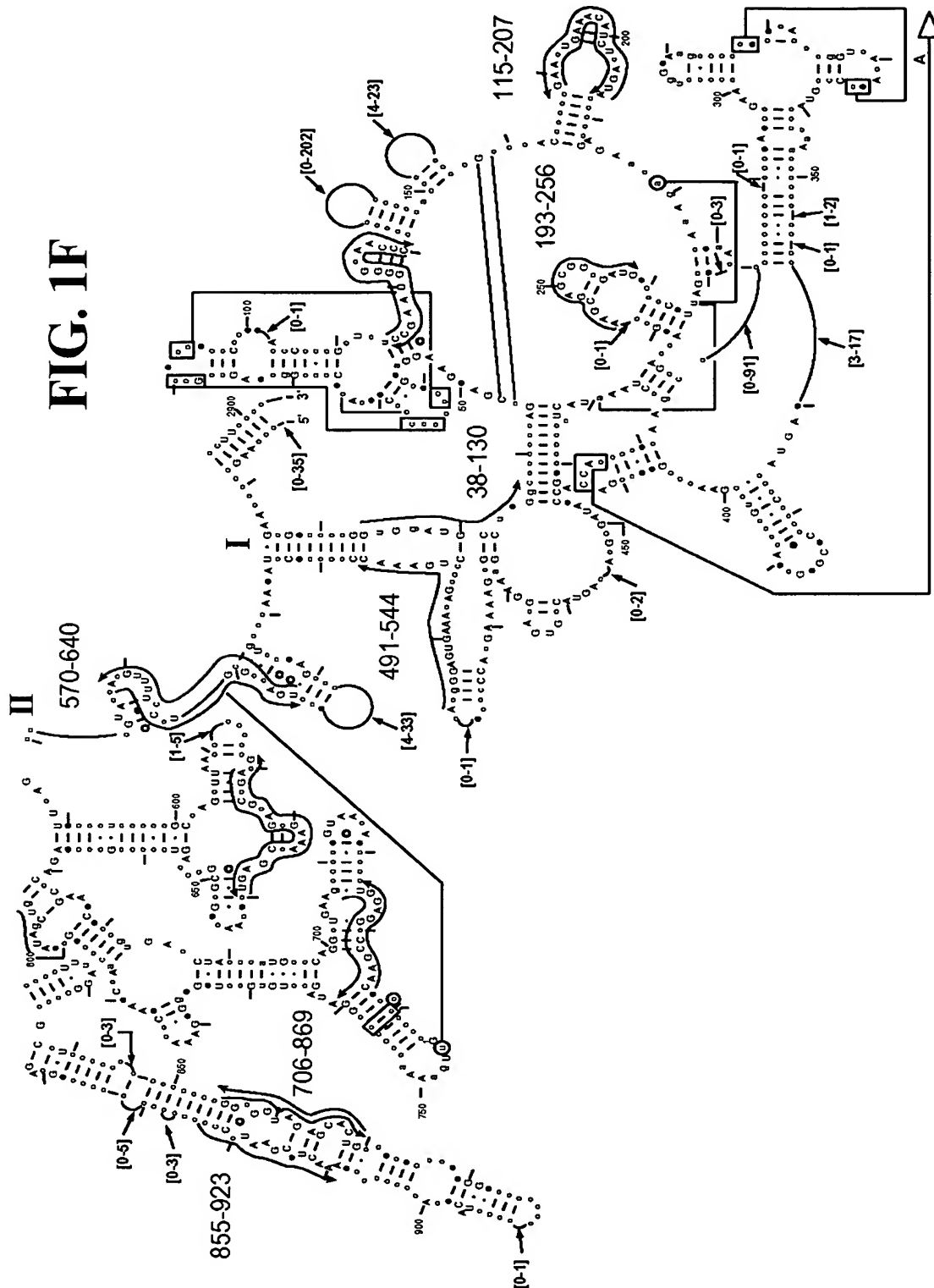
FIG. 1D





**FIG. 1E**

FIG. 1F



**FIG. 1G**

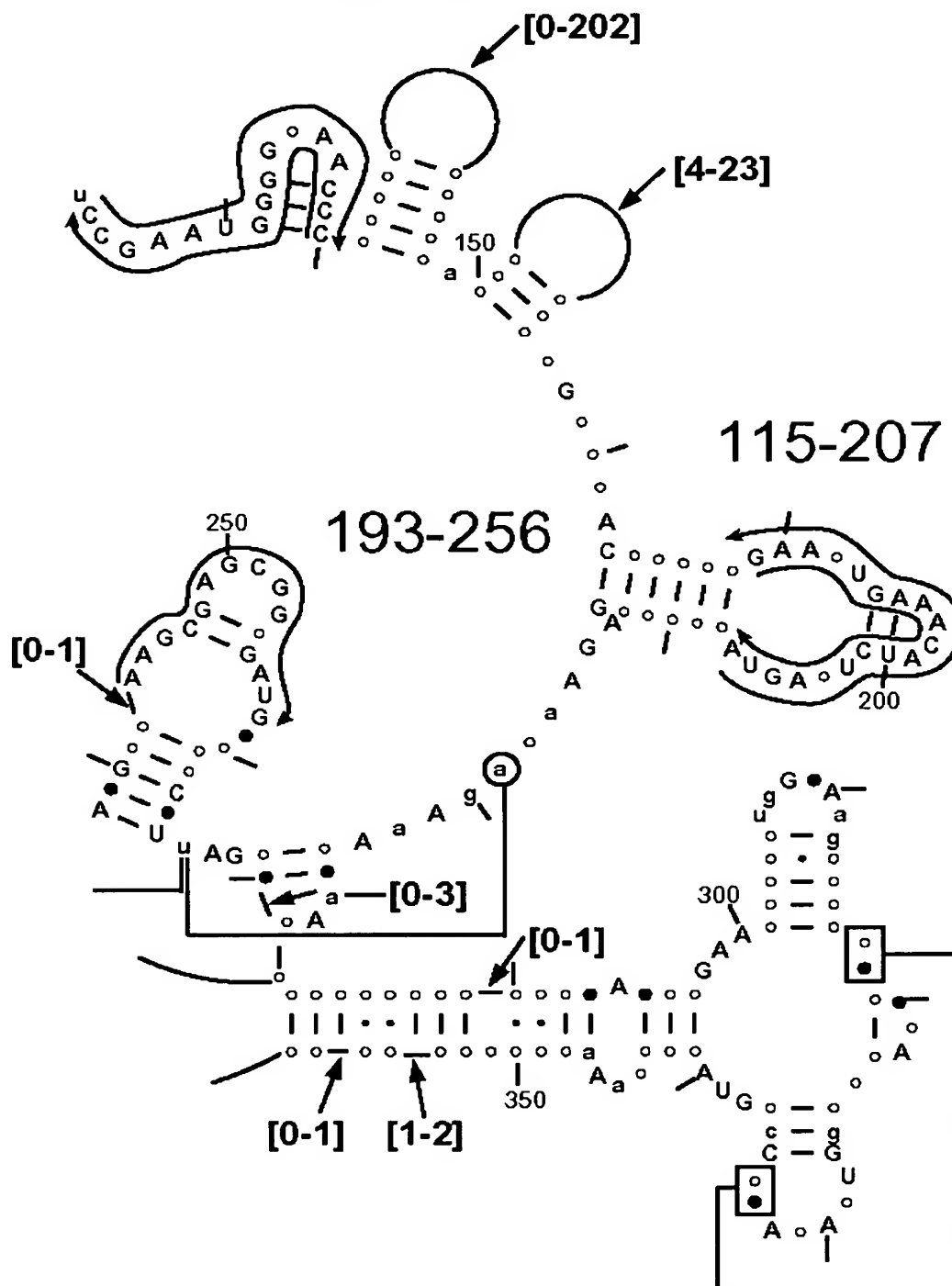
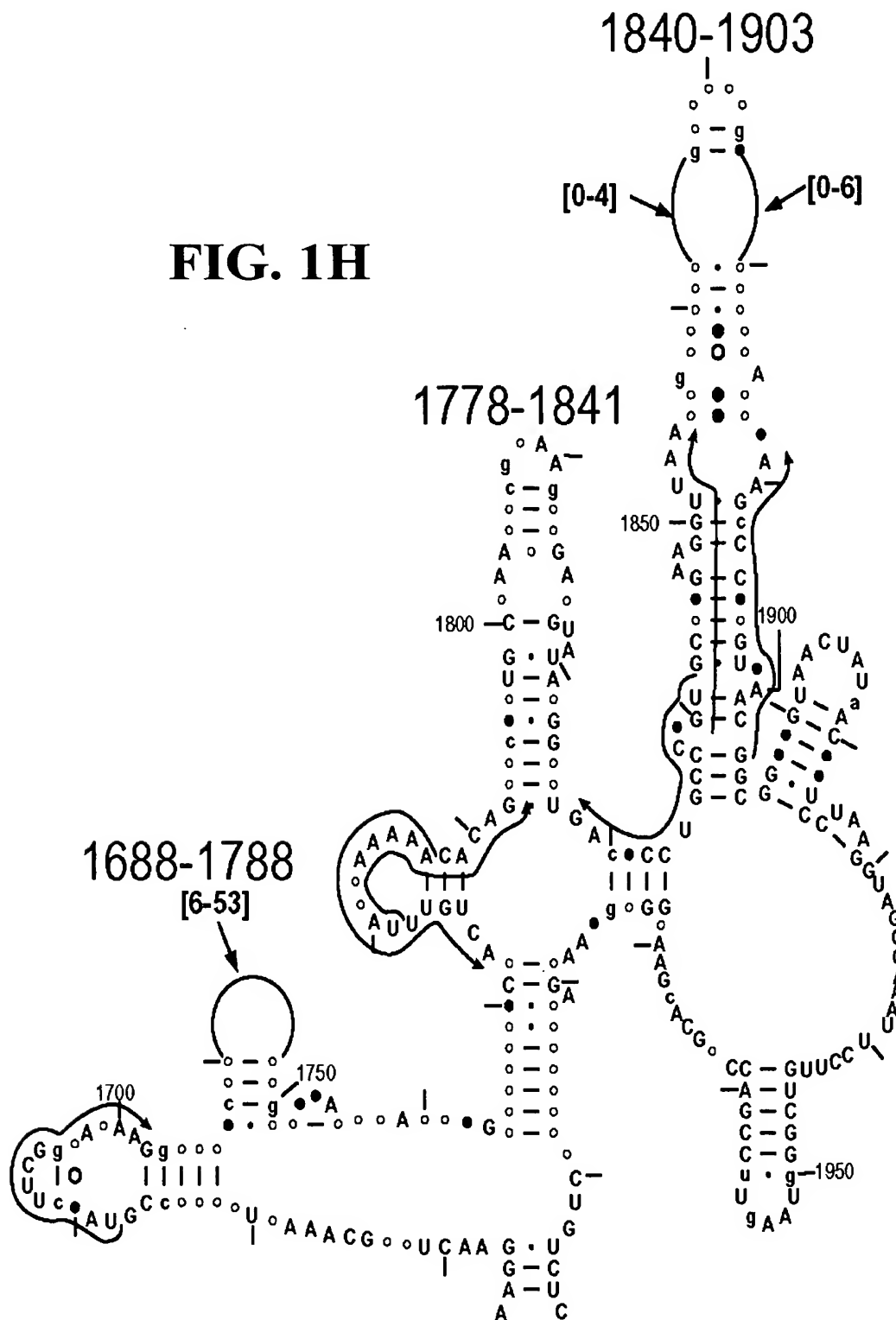


FIG. 1H



The diagram illustrates the secondary structure of the 1080-1188 region of the Tetrahymena self-splicing intron. It shows a complex arrangement of RNA stems and loops. Key structural elements include:

- A large internal loop at the top right, spanning approximately from position 1130 to 1188.
- A stem-loop structure around position 1110, involving sequences like GCAAC and ACCGAGC.
- Several other stems and loops extending downwards, with labels such as 1070, 1060, 1080, 1090, 1100, 1120, 1130, 1150, 1160, 1180, and 1190.
- Nucleotides are represented by letters A, U, G, C, with dots indicating base pairing.
- Arrows indicate specific orientations or directions, such as [3-35] and [0-2].

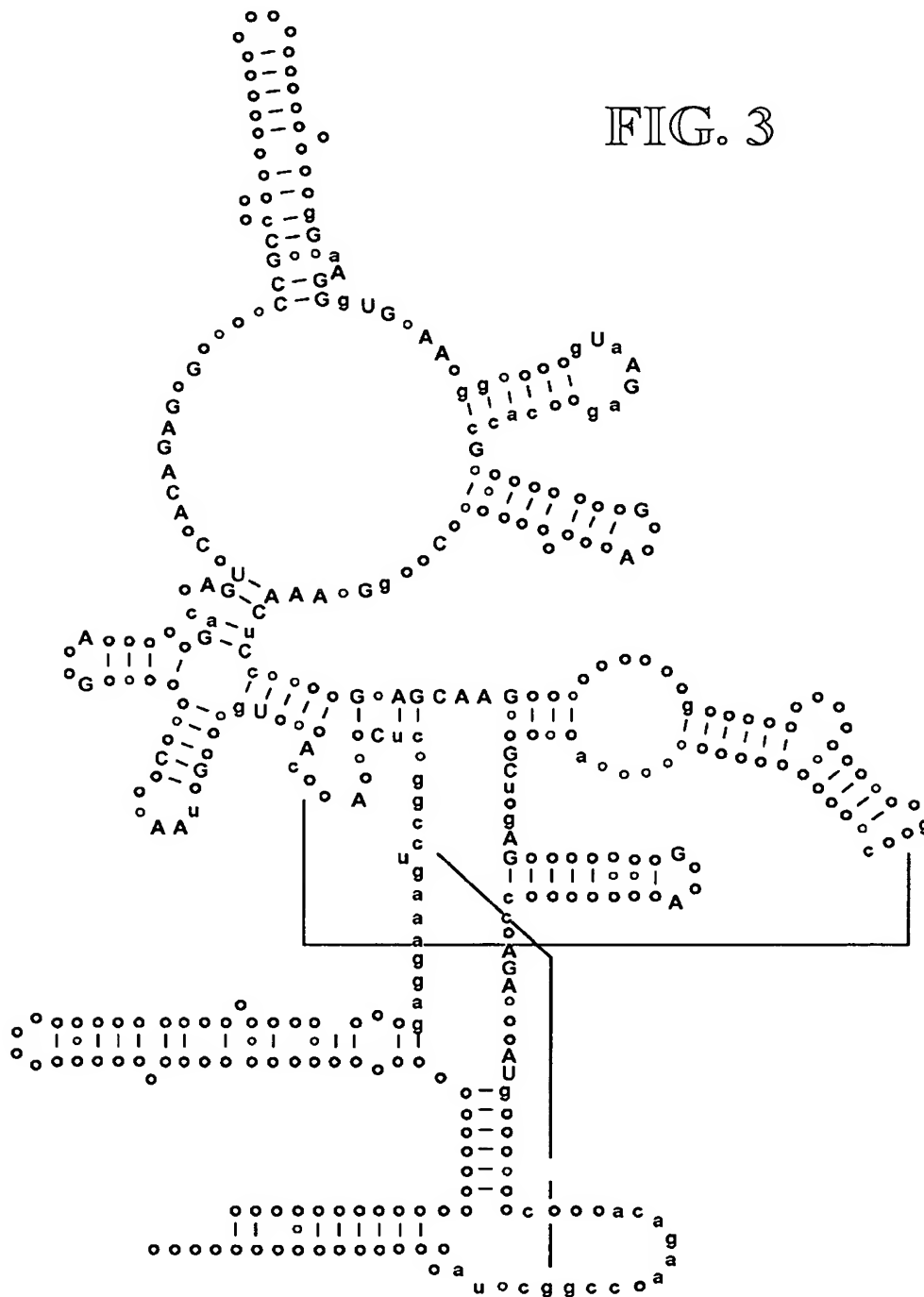
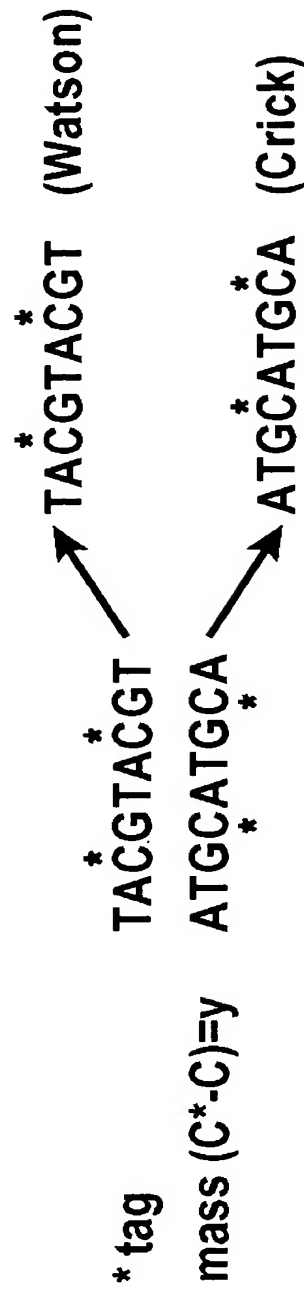
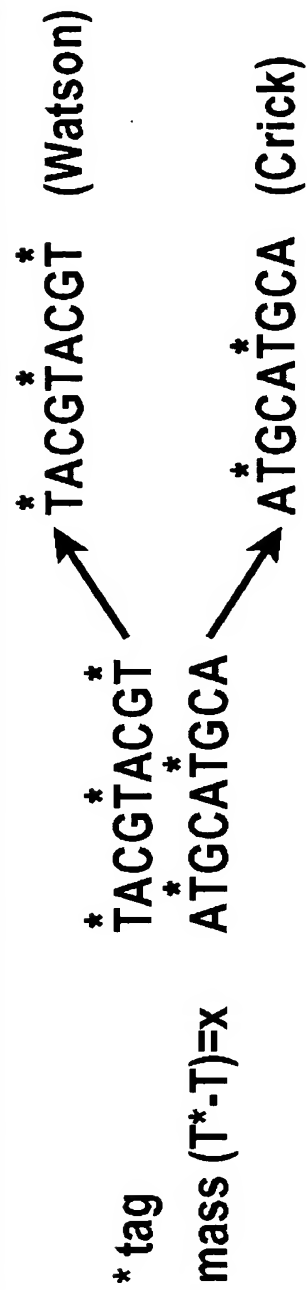
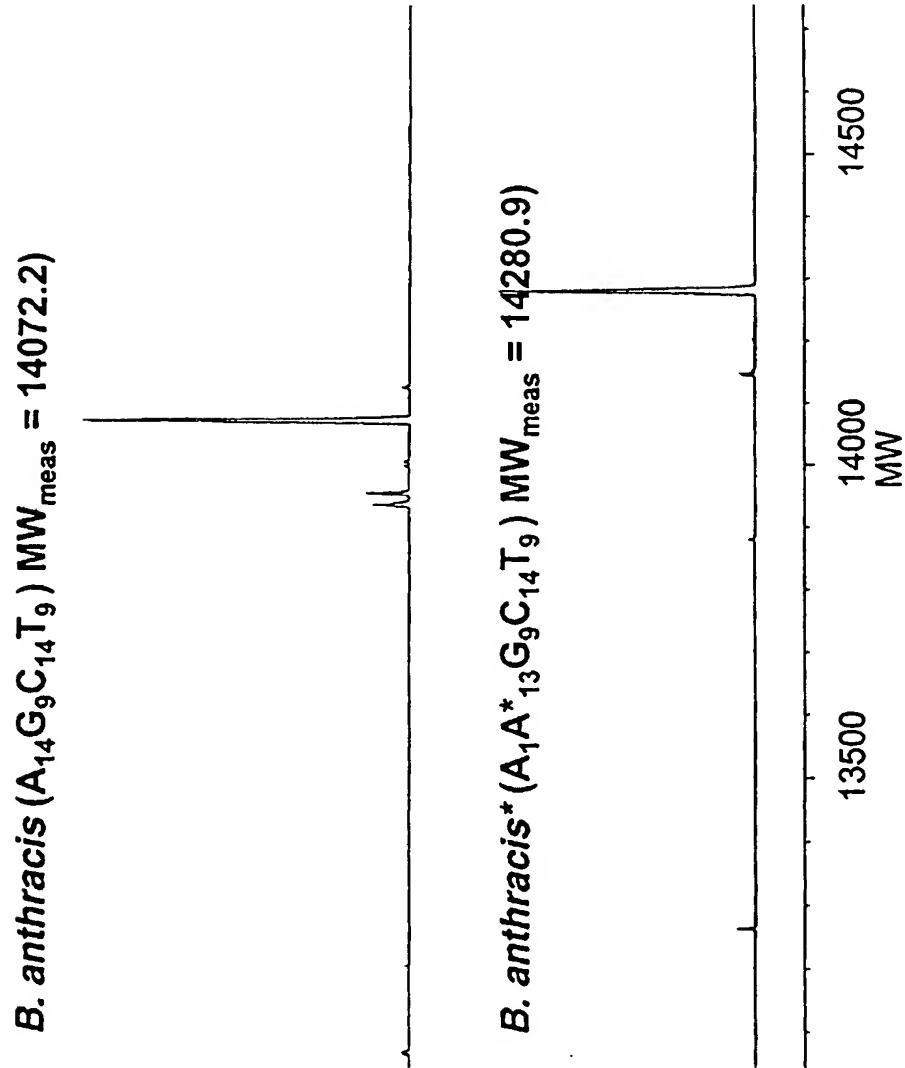


FIG. 4

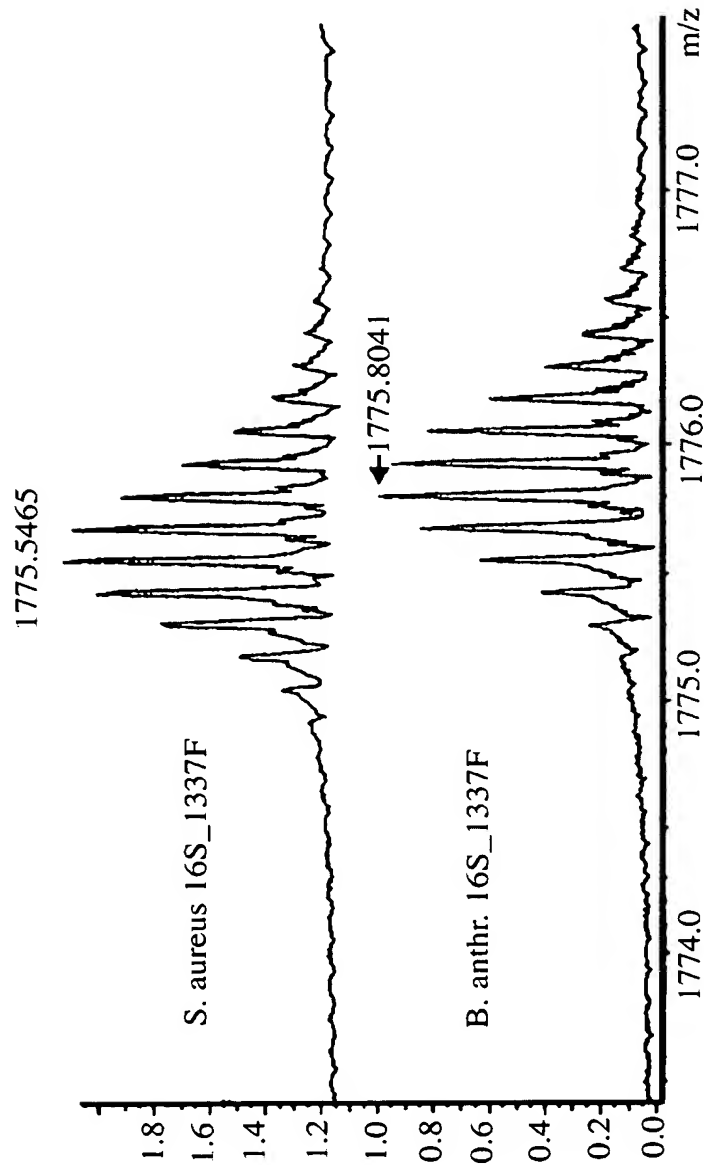


**FIG. 5**

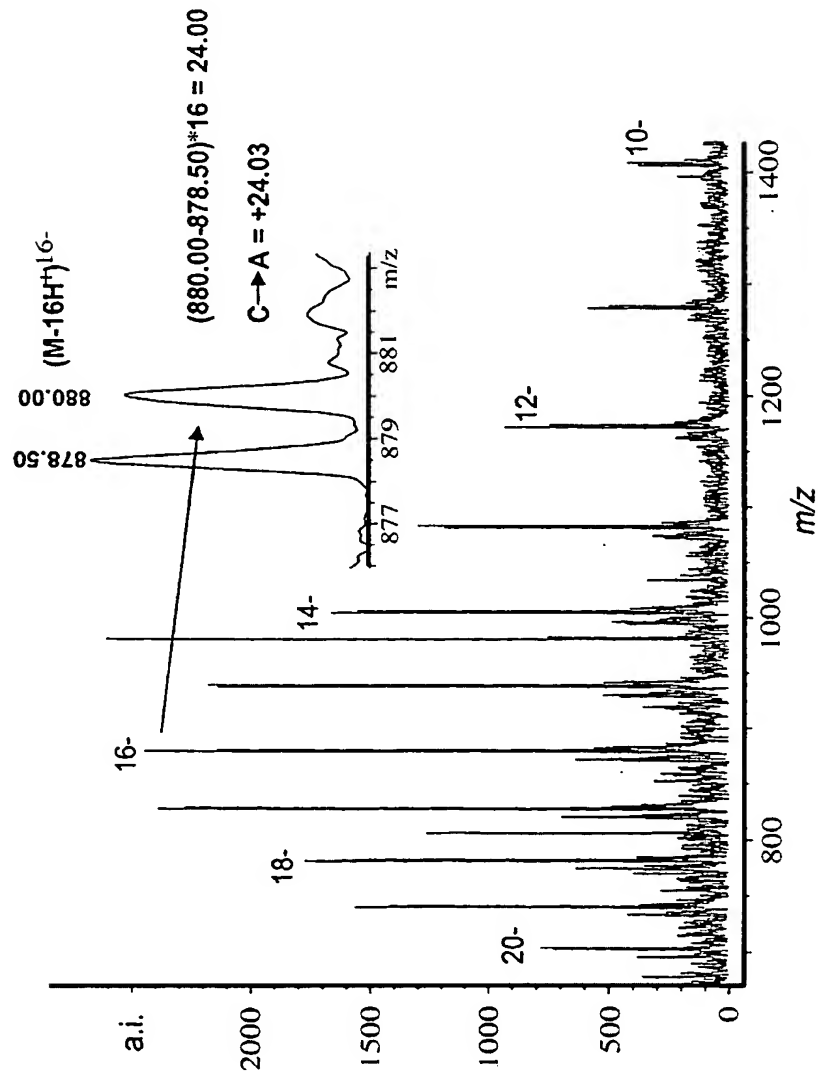




**FIG. 6**

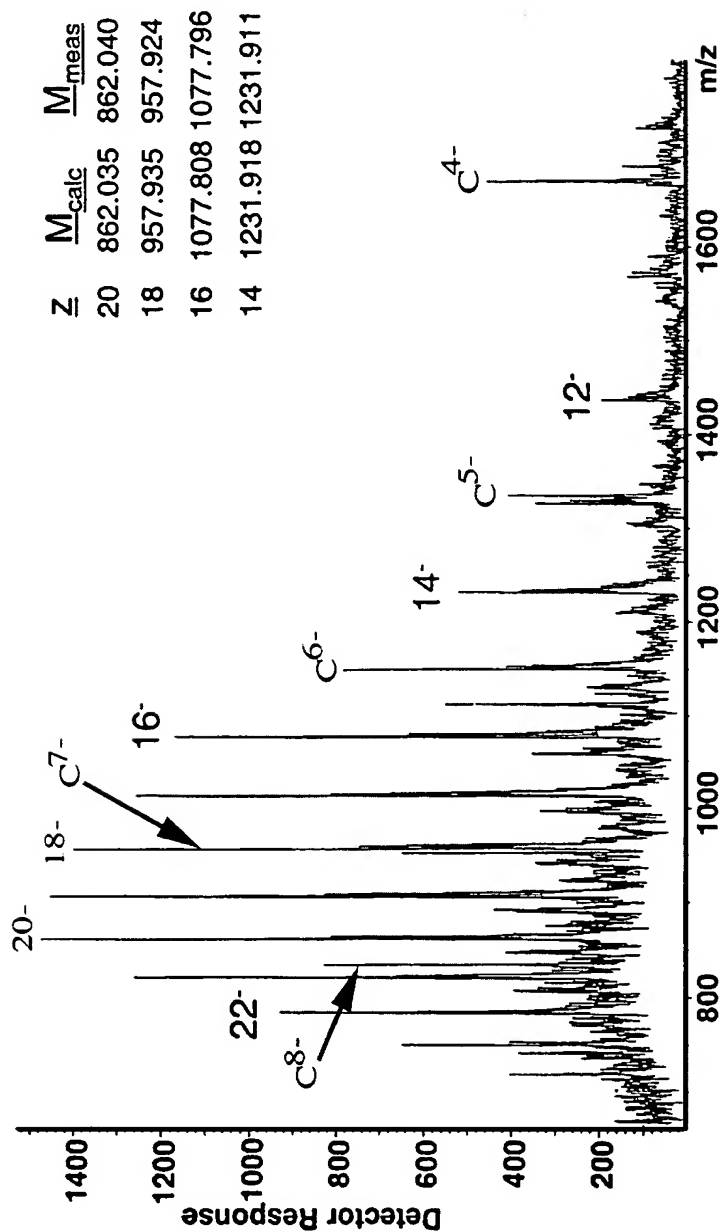


**FIG. 7**



**FIG. 8**

ESI-TOF MS of sspE 56mer + Calibrant



Applicants: David J. Ecker et al.

Title: METHODS FOR RAPID IDENTIFICATION OF PATHOGENS IN HUMANS AND ANIMALS

Filing Date: Herewith

Atty: Paul K. Legaard

Serial No. Not yet assigned

AttY Phone: 215 665-2000

**FIG. 9**

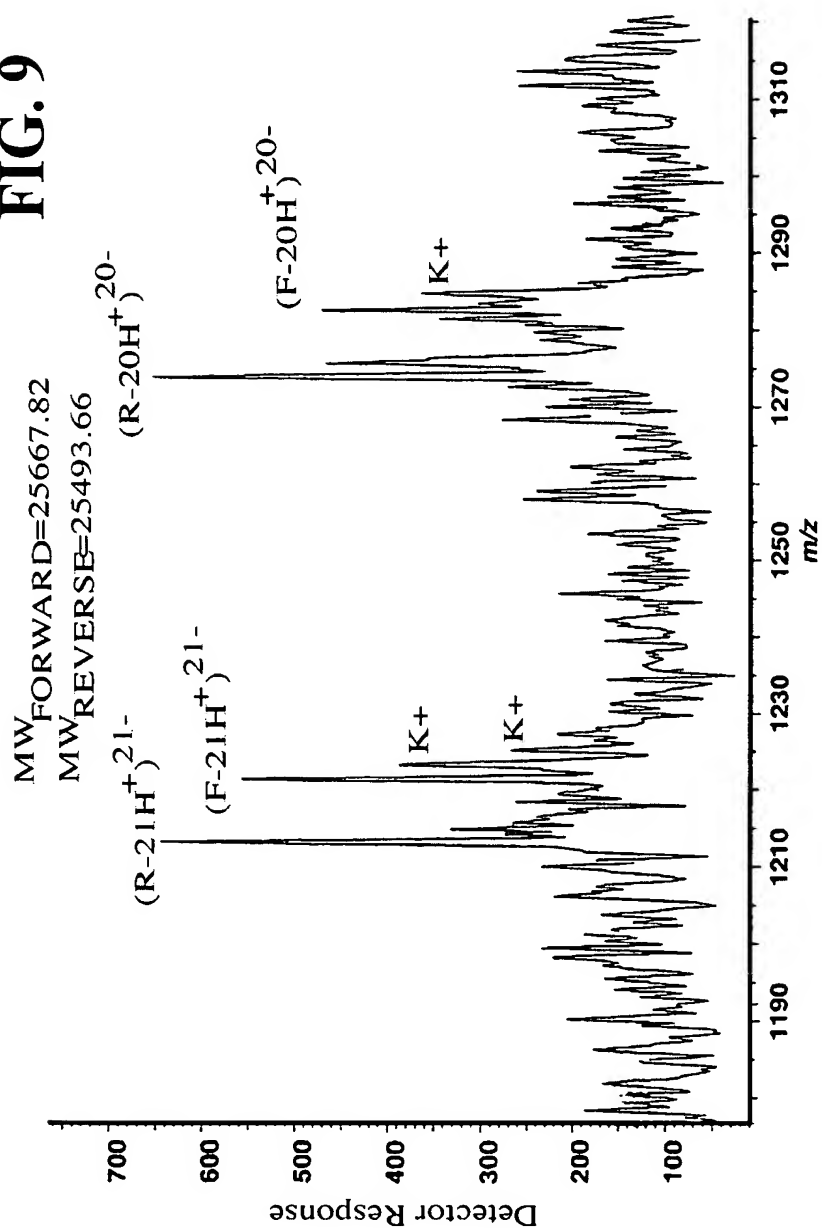


FIG. 10

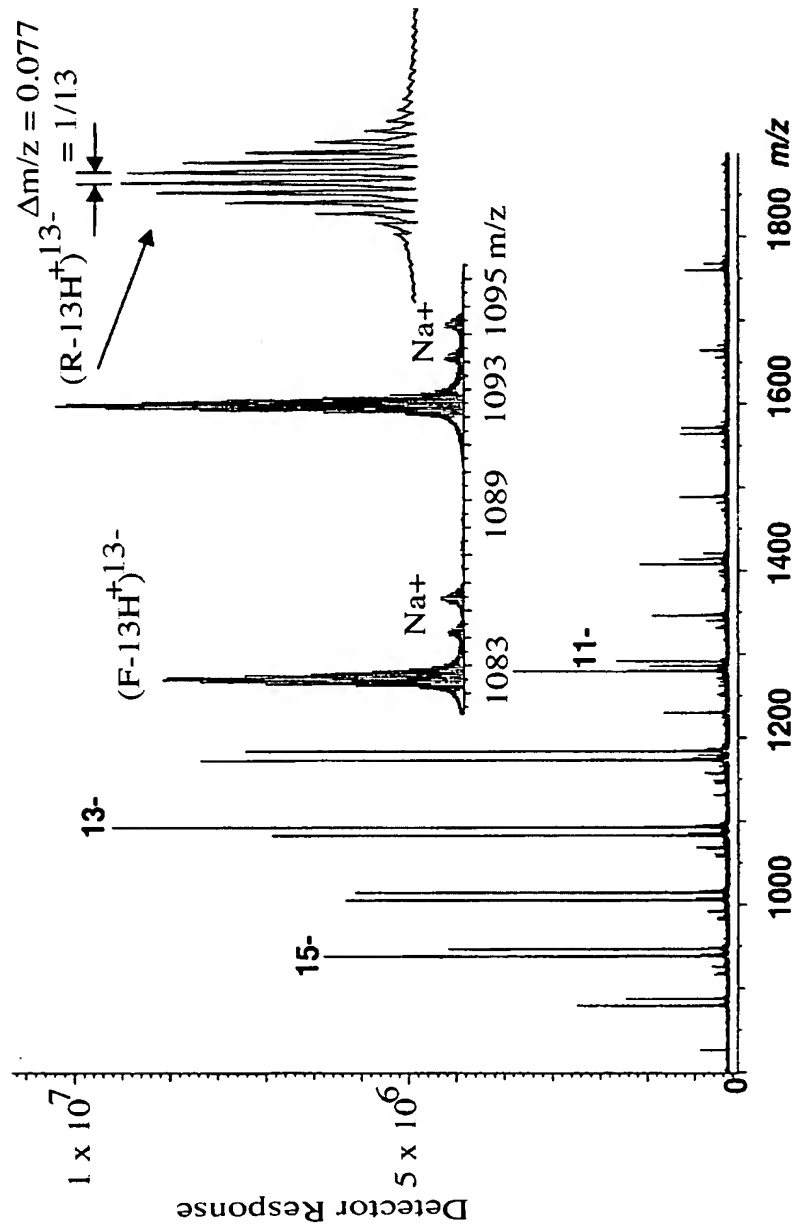
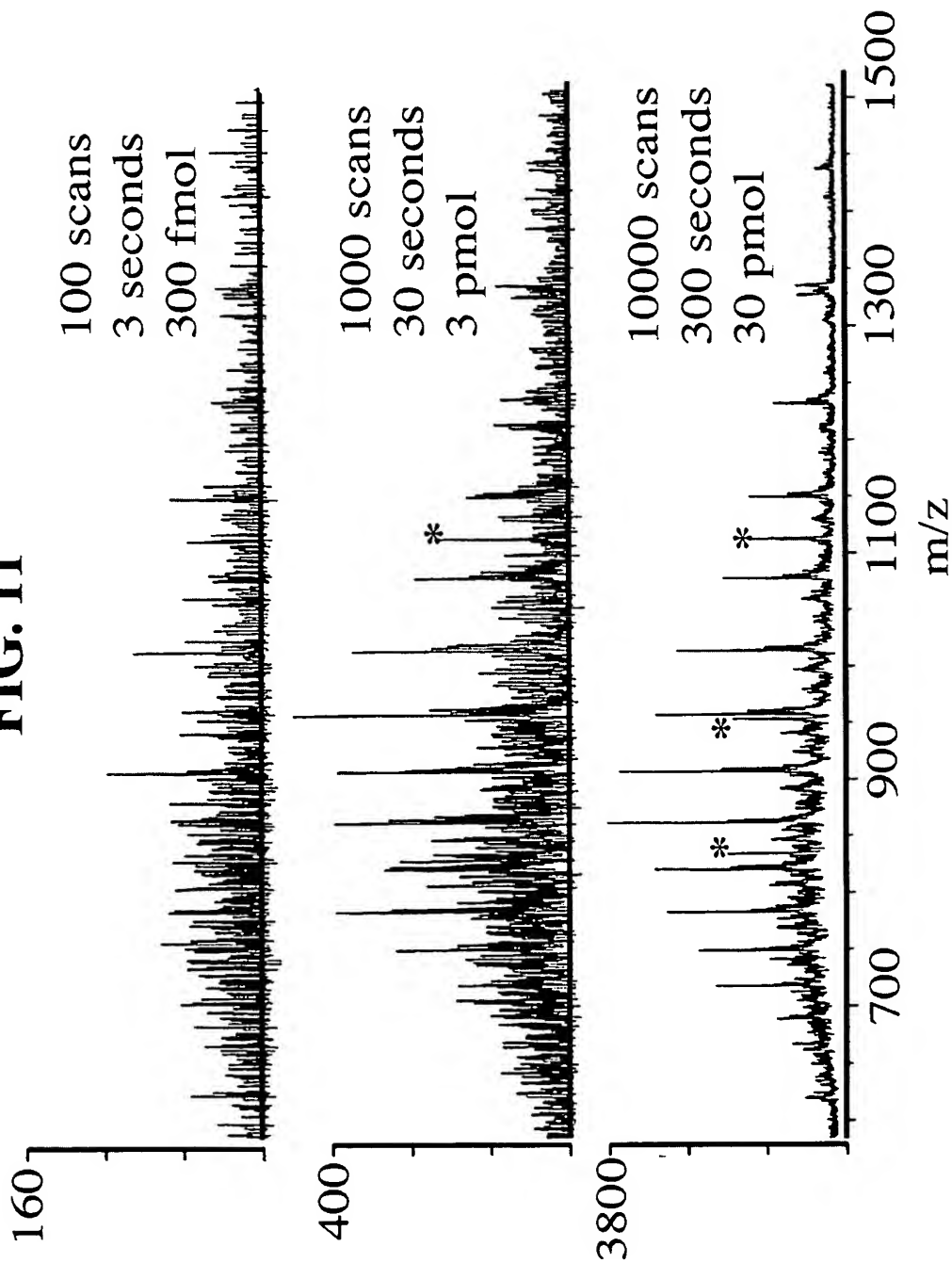
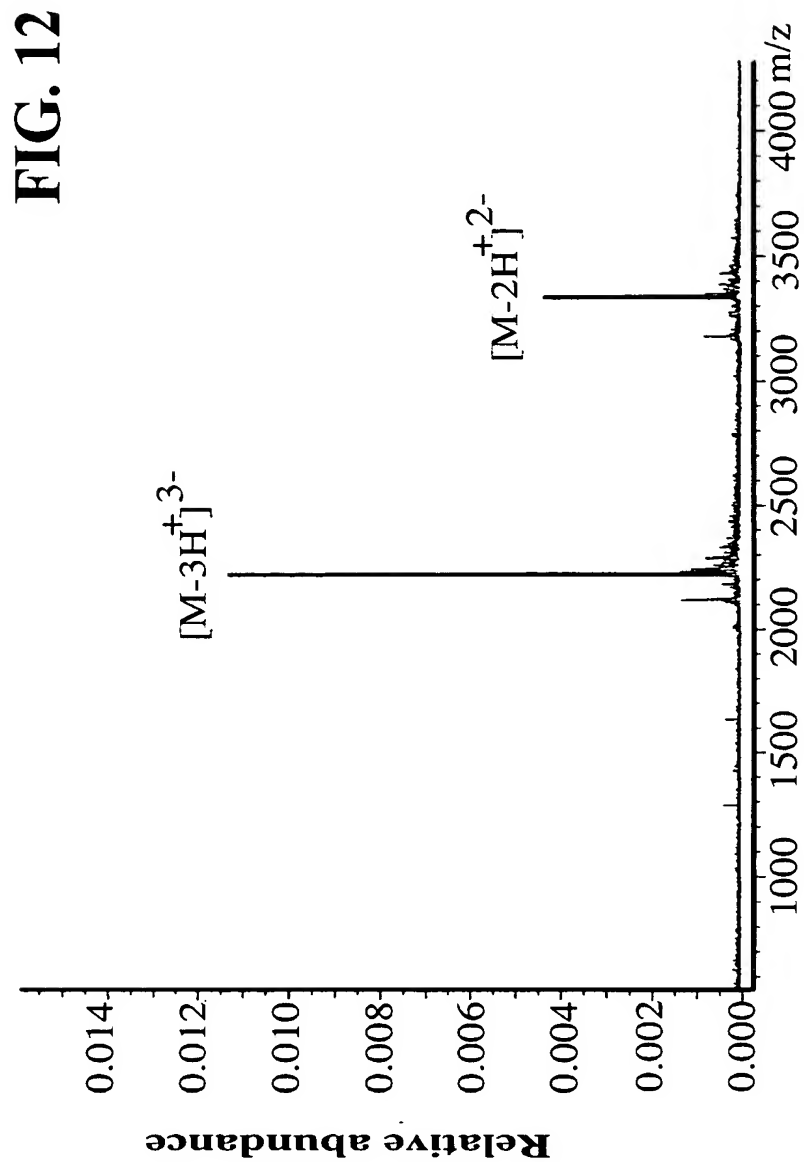


FIG. 11

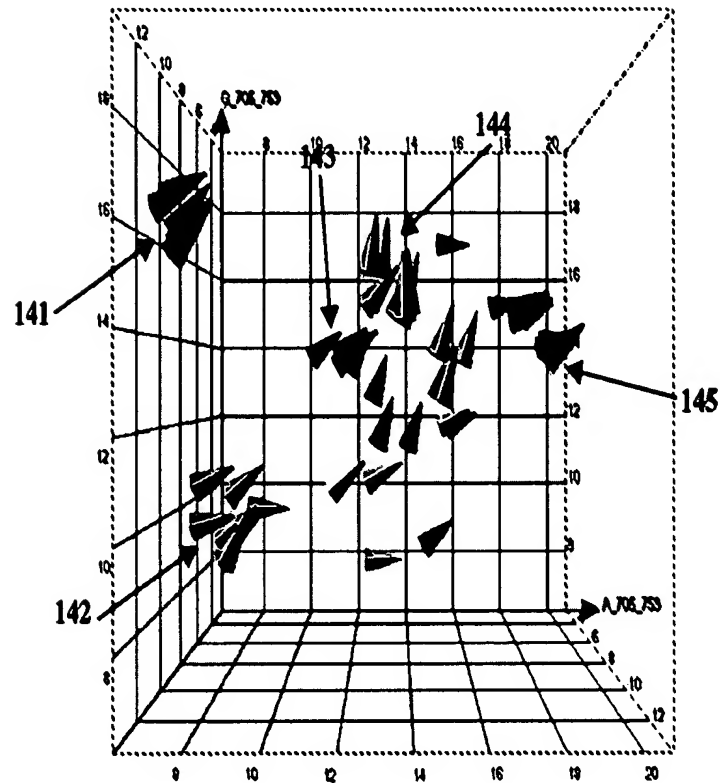








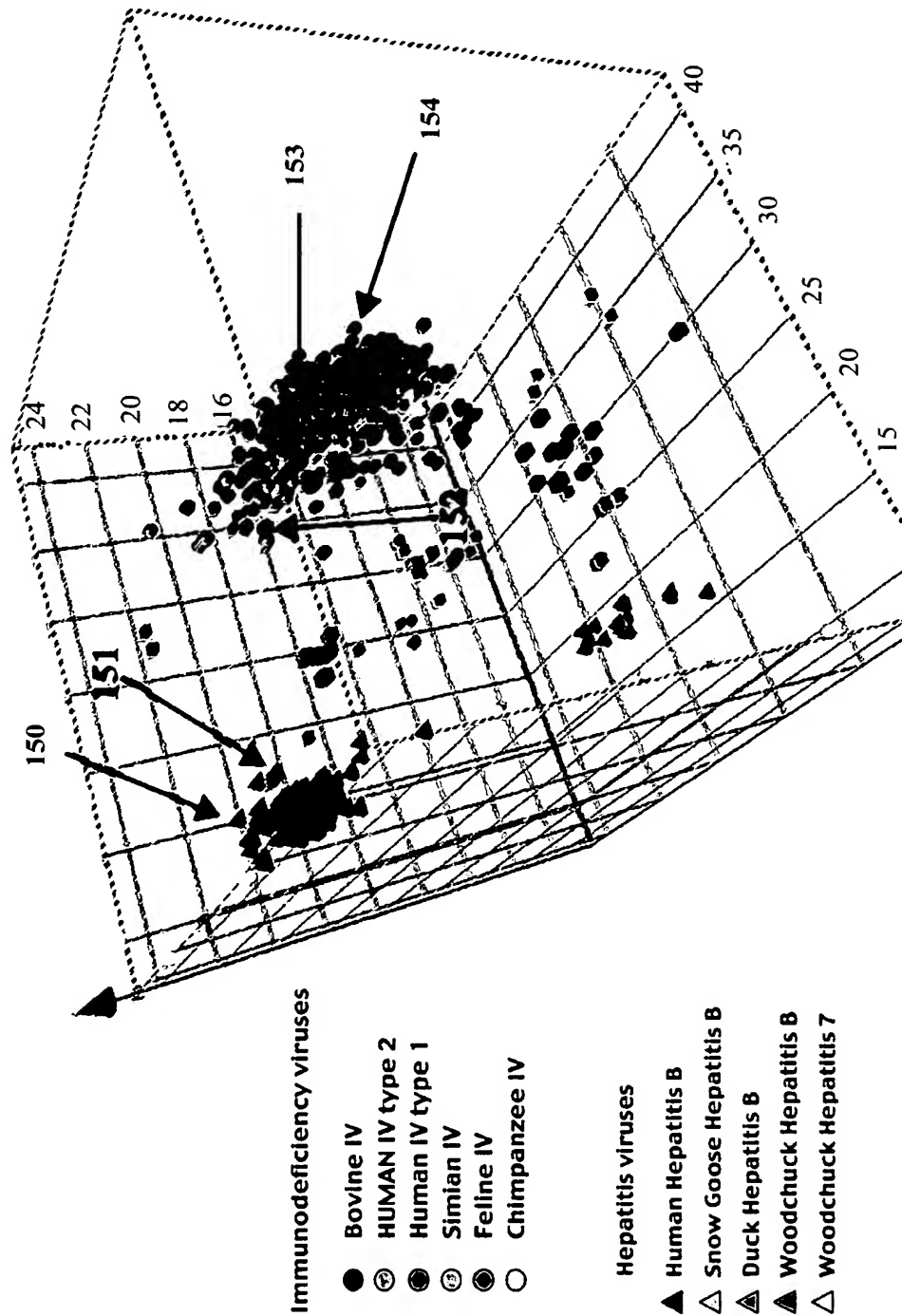
**FIG. 14**



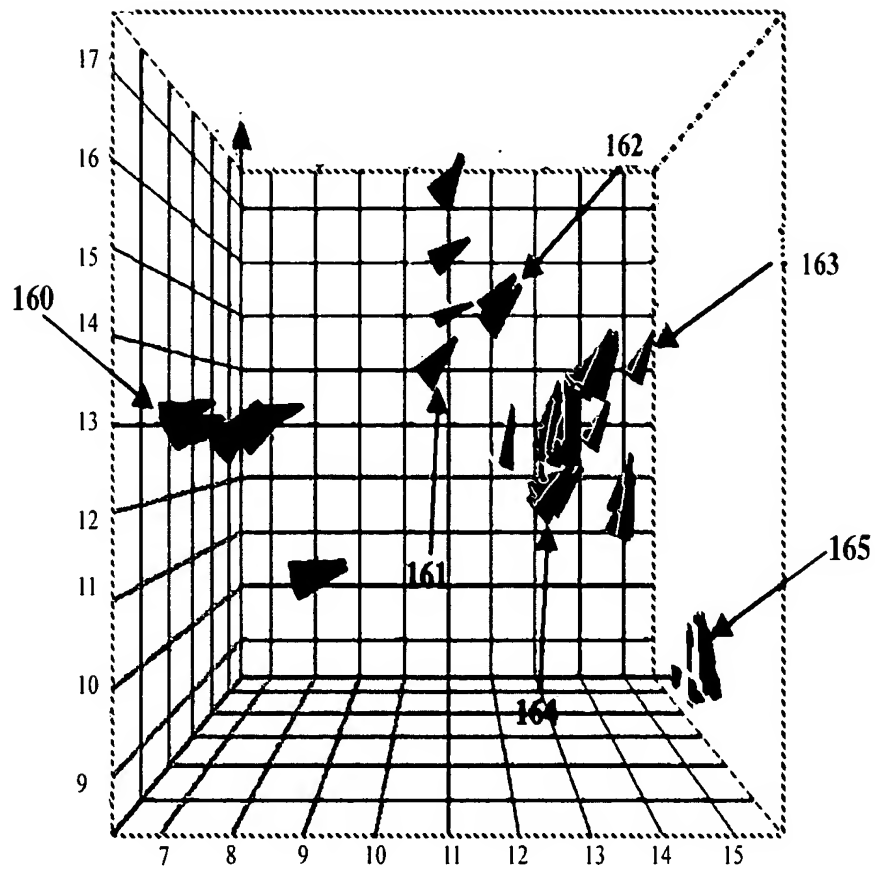
**Picorno RdRp 705-759**

■ Encephalomyocarditis virus	□ Foot-and-mouth disease virus	■ Polio	□ Rhinovirus
□ Enterovirus	■ Hepatitis A virus	■ Porcine enterovirus	■ Simian Hepatitis A

**FIG. 15**



**FIG. 16**



**Flavi RdRp 2453-2493**

■ Dengue virus type	■ Japanese encephalitis virus	■ Tick-borne encephalitis virus
□ Dengue virus type	■ Kunjin virus	■ West Nile virus
■ Dengue virus type	□ Murray valley encephalitis virus	□ Yellow fever virus

**FIG. 17**

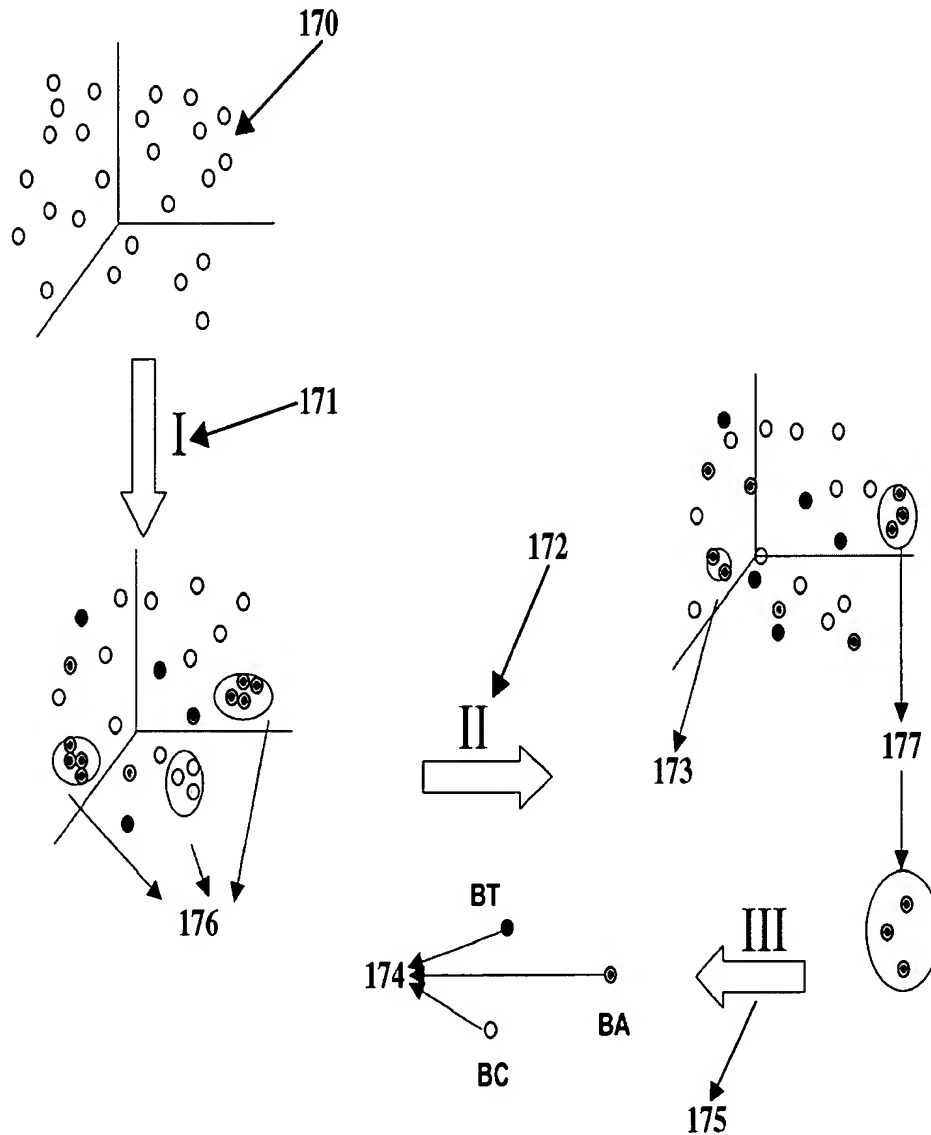
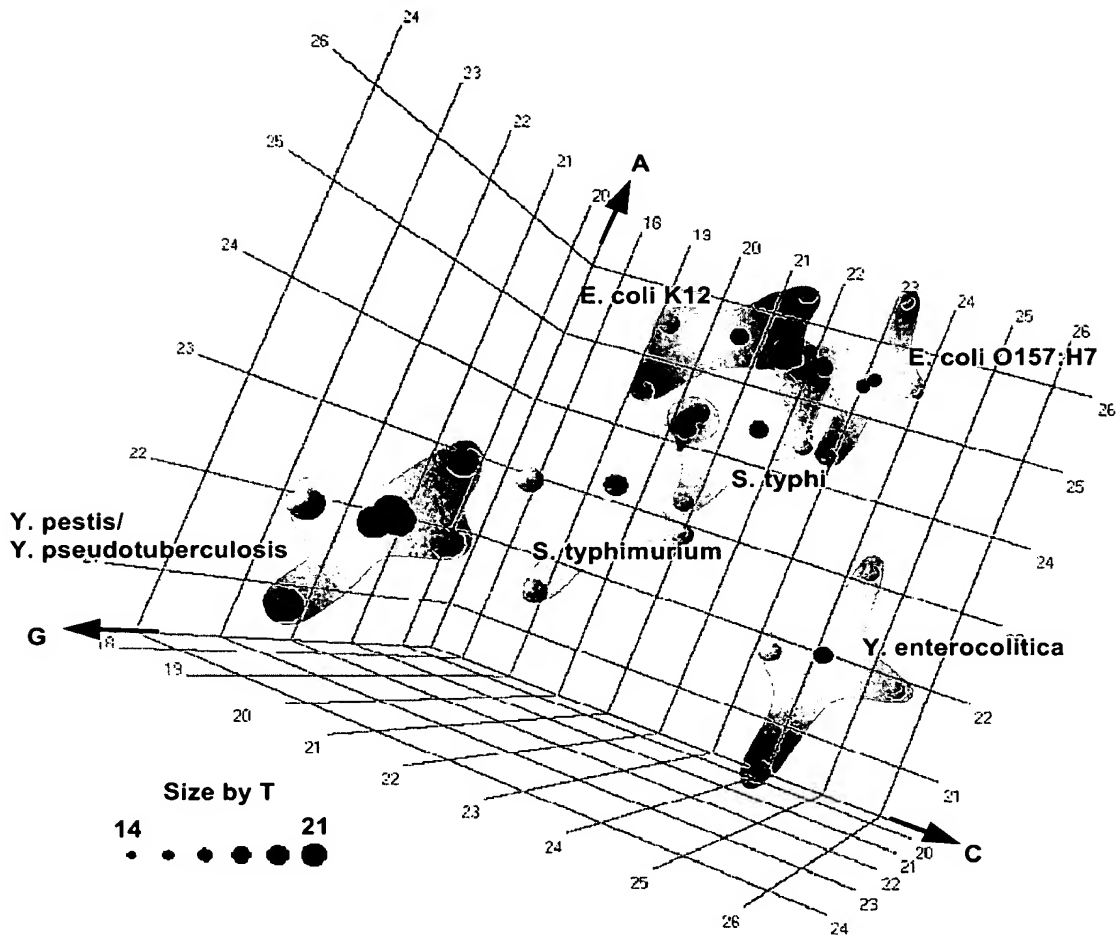
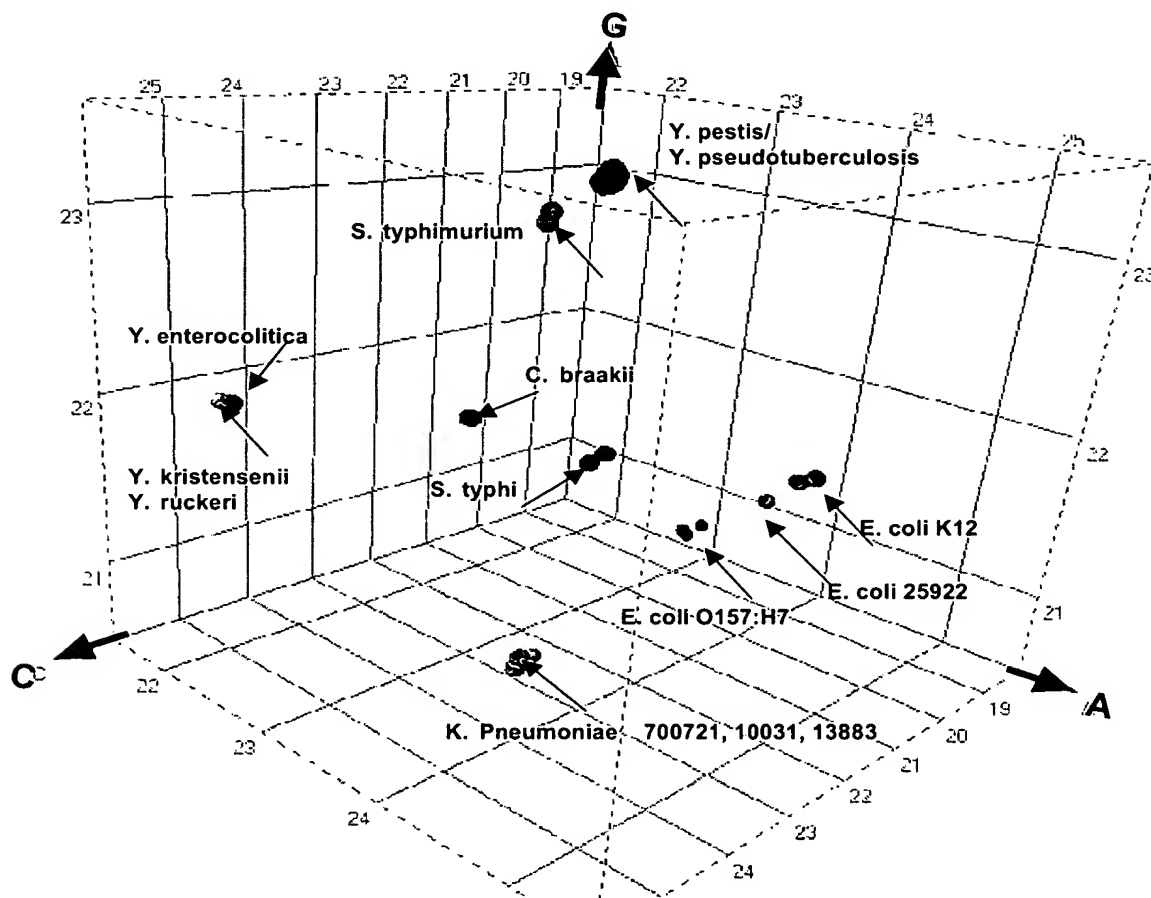


Figure 18



**Figure 19**



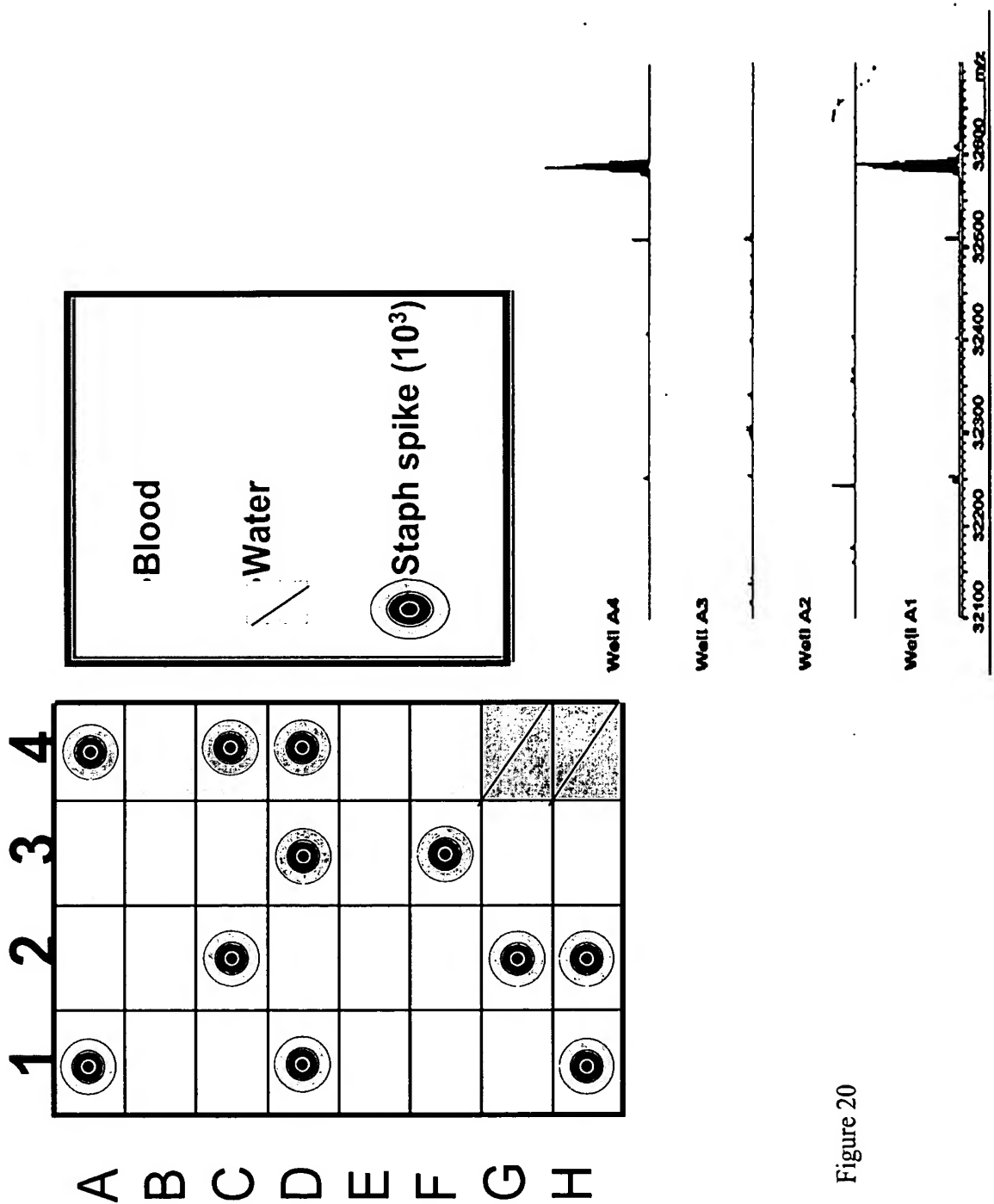


Figure 20

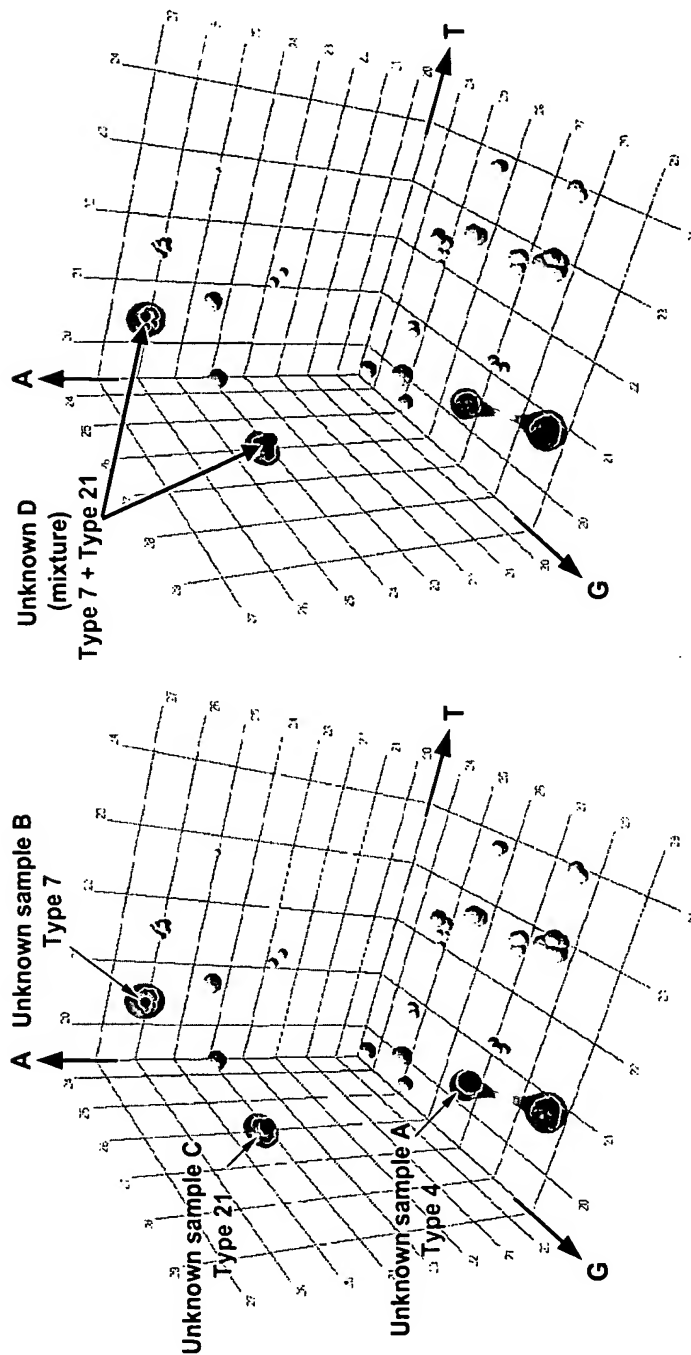


Figure 21



Figure 22

Universal Survey/Drill-Down Process

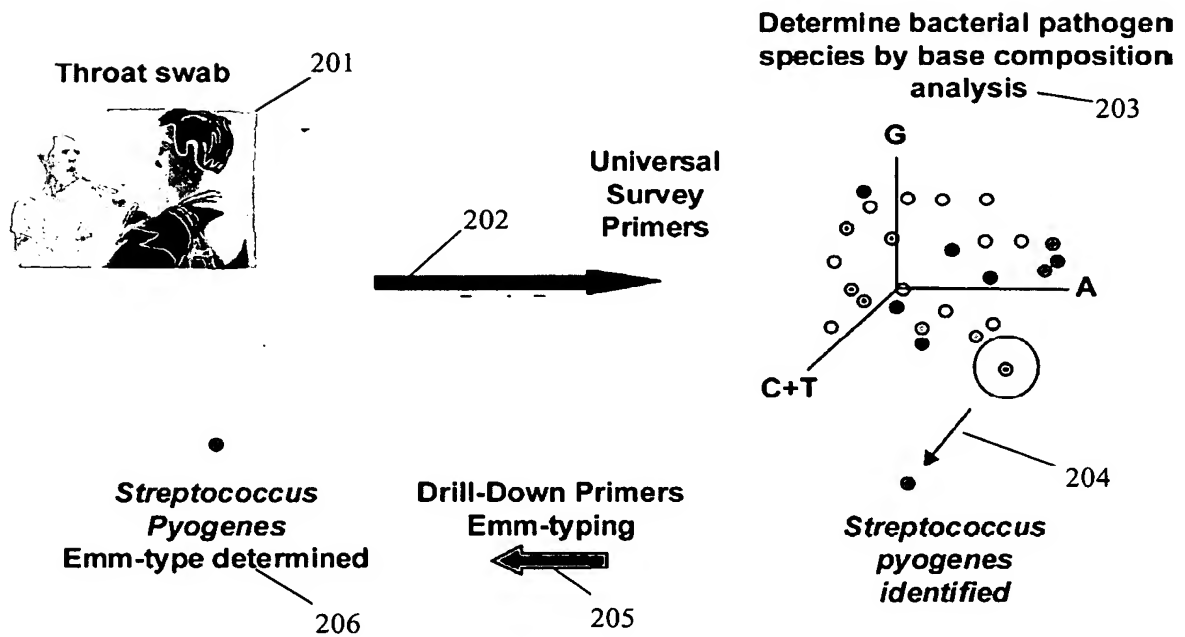


Figure 23

Base Composition Signatures from primer pair 14 (16S rRNA)

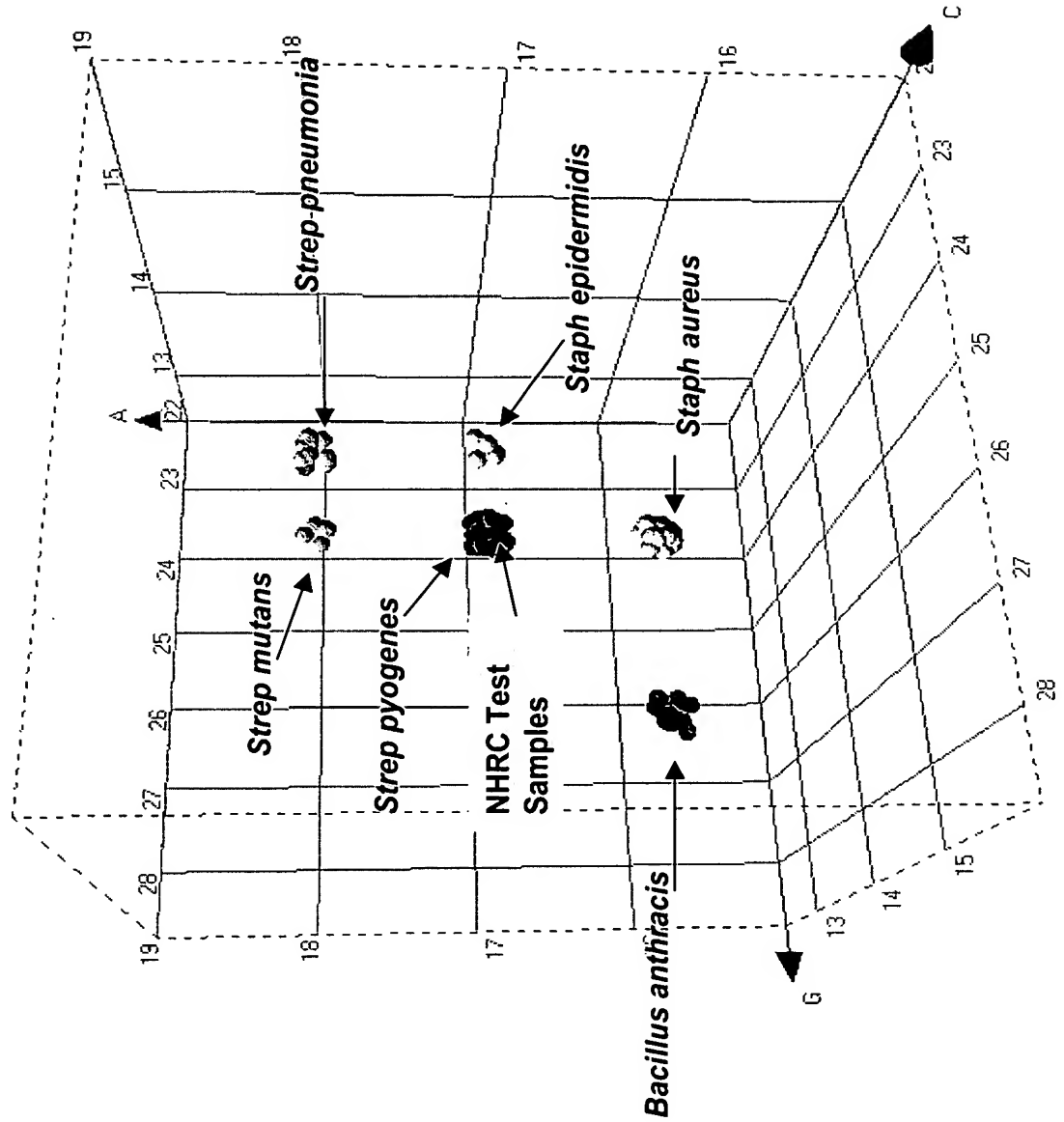


Figure 24

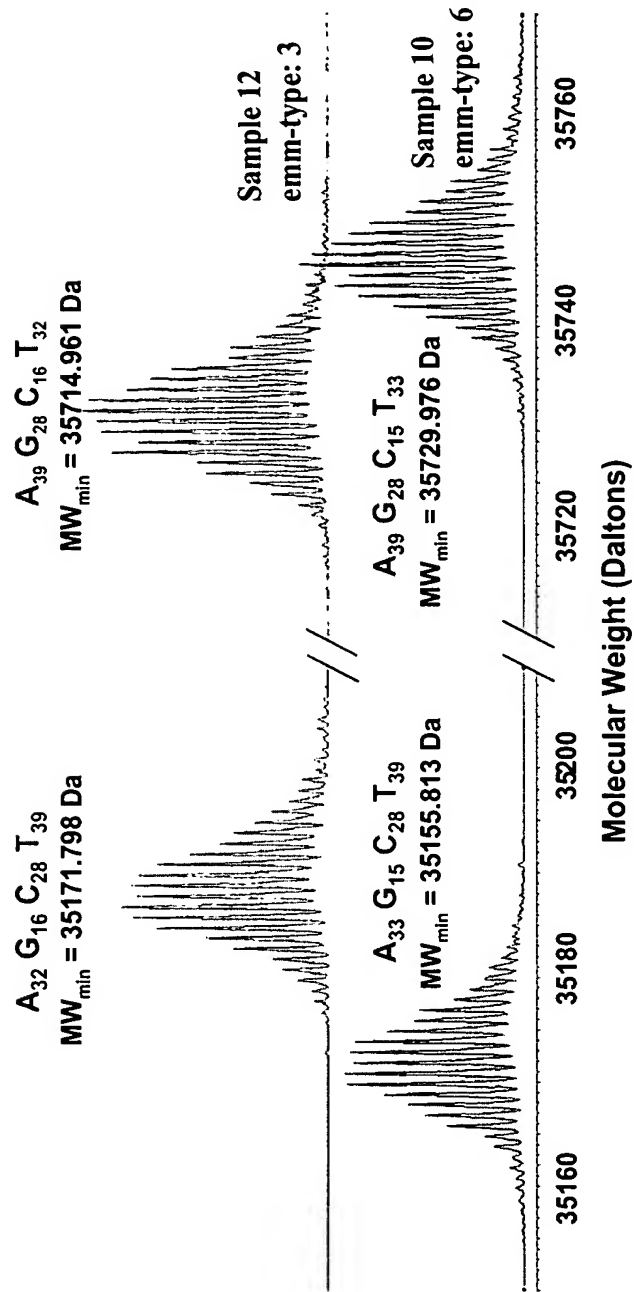


Figure 25

[illegible]

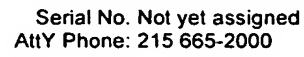


Figure 27

